

ABSTRACT OF THE DISCLOSURE

A light source having a planar main surface capable of emitting a white light includes a blue LED, an optical guide plate having a planar main surface and an edge face receiving injection of the light from the blue LED, and a coating material of transparent resin or glass containing fluorescent materials positioned between the blue LED and the optical guide plate. The fluorescent materials can be excited by absorption of a part of the blue light from the blue LED to emit fluorescent light and the fluorescent light can be mixed with a remaining part of the blue light to make white light in the optical guide plate.